Receipt date: 06/29/2005

10541057 § GAU

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| Substitute for form 1449/PTO | complete if Known | | |
|-----------------------------------|------------------------|------------------|--|
| | Application Number | To be assemed UO | |
| INFORMATION DISCLOSURE | Filing Date | 06/29/2005 | |
| | First Named Inventor | Gregory F. Payne | |
| STATEMENT BY APPLICANT | Art Unit | | |
| (Use as many sheets as necessary) | Examiner Name | | |
| Sheet 1 of 2 | Attorney Docket Number | 7512.175 | |

| U. S. PATENT DOCUMENTS | | | | | | |
|------------------------|--------------|--|--------------------------------|--|---|--|
| Examiner Initials* | Cite No.1 | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | |
| | | Number-Kind Code ^{2 (if known)} | | | gancor .ppca. | |
| /HW/ | | ^{US-} 2002/0084194 | 07-04-2002 | Redepenning, et al. | | |
| | | US- | | | | |
| • | | US- | | - | | |
| | | US- | | | | |
| | | US- | | | - | |
| | | US- | | | | |
| | | US- | | | | |
| , | | US- | <u> </u> | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | | | · | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | - | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------|---|---------------------|--|---|----|--|--|
| Examiner Initials* | Cite No.1 | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages | | | |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | MM-DD-YYYY | | Or Relevant Figures Appear | T⁵ | | |
| | | | | | | L | | |
| | | | | , | | | | |
| | | | | | | L | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | , | | | | |

| Examiner Signature | /Harry Wilkins/ | Date Conside | red 06/16/2010 |
|-----------------------|-----------------|-----------------|----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Receipt date: 06/29/2005

JC20 Rec'd PCT/PTO 2 9 JUN 2005

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031

| | U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE |
|--|---|
| Under the Paperwork Reduction Act of 1995, no persons are required to respond to | |

| Substitute for form 1449/PTO | | | | Complete if Known | | |
|------------------------------|-------------------------|-----------|------------|------------------------|---------------------|--|
| Cubumu | 10 10 10 10 11 17 10 17 | | | Application Number | To basign 241 U 5 / | |
| INF | ORMATION | DIS | CLOSURE | Filing Date | 06/29/2005 | |
| STA | STATEMENT BY APPLICANT | | | First Named Inventor | Gregory F. Payne | |
| | | | | Art Unit | | |
| | (Use as many she | eets as i | iecessary) | Examiner Name | | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 7512.175 | |

| | | NON PATENT LITERATURE DOCUMENTS | , |
|-----------------------|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| /HW/ | | SEONG, et al., "Fabrication of Microchambers Defined by Photopolymerized Hydrogels and Weirs", Analytical Chemistry, Vol.74, No. 14, pp. 3372-3377, 2002. | |
| /HW/ | | GAO, et al., "Lateral Patterning of CdTe Nanocrystal Films by the Electric Field Directed Layer-by-Layer Assembly Method", Langmuir, Vol 18, pp. 4098-4102, 2002. | |
| /HW/ | | CHEN, et al., "pH-Sensitive Thin Hydrogel Microfabricated by Photolithography", Langmuir, Vol. 14, pp. 6610-6612, 1998. | |
| /HW/ | | BEEBE, et al., "Functional Hydrogel Structures for Autonomous Flow Control Inside Microfluidic Channels", Nature, Vol. 404, pp. 588-590, 2000. | |
| /HW/ | | SIRKAR, et al., "Amperometric Biosensors Based on Oxidoreductases Immobilized in Photopolymerized " Analytical Chemistry, Vol. 70, No. 14, pp. 2888-2894, 1998. | |
| /HW/ | | TAKENAKA, et al., "Sol-gel preparation of single-alyer, 0.75 µm thick lead zirconate titanate films", Applied Physics Letters", Vol. 79, No. 21, pp. 3485-3487, 2001. | |
| /HW/ | | O'CONNOR, et al., "Immobilization of neural cells in three-dimensional matrices for biosensor applications", Biosensors & Bioelectronics, Vol 14, pp. 871-881, 2000. | |
| /HW/ | | ZHITOMIRSKY, et al., "Cathodic electrodeposition of polymer films and organoceramic films", Materials Science and Engineering, Vol. B78, pp. 125-130, 2000. | |
| /HW/ | | CHEN, et al., "Self-Assembly of Monolayers of Cadmim Selenide Nanocrystals with Dual Color Emission", Langmuir, Vol. 15, pp. 6845-6850, 1999. | |
| / HW / | | CLARK, "Engineering the Microfabrication of Layer-by-Layer Thin Films", Advanced Materials, 1998. | |

| Examiner | | Date | |
|-----------|-----------------|------------|------------|
| Signature | /Harry Wilkins/ | Considered | 06/16/2010 |

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: